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## UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant: Gunzinger, Anton

For: A method for rapid communication within a parallel computer system etc.

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This paper is being filed by fax 703-746-7238 on March 8, 2003.

*Carl Oppedahl*  
Carl Oppedahl

## RESPONSE TO OFFICE ACTION

Kindly cancel claim 32.

Kindly amend the claims as follows:

16. A method of operating a parallel computer system having at least first and second processor elements, each processor element comprising a processor, a local program memory, a local data memory, a communications manager and an operating system, within each processor element the local program memory, local data memory, and communications manager all communicatively coupled by means of a common bus; the communications managers of the at least first and second processor elements communicatively coupled by means of a message-passing communications network; the processor elements each executing an application; each communications manager further containing a plurality of predefined values each of which, in the event of a match of one of the predetermined values to a global address in a message, causes storage of results of an associated computation in local data memory; the method comprising the steps of

writing, by the processor of the first processor element, by means of the common bus of the first processor element, a result of a computation into the communications manager of the first processor element;